

TOP SECRET

FIG. 1

Challenge dose 10^8 CFU

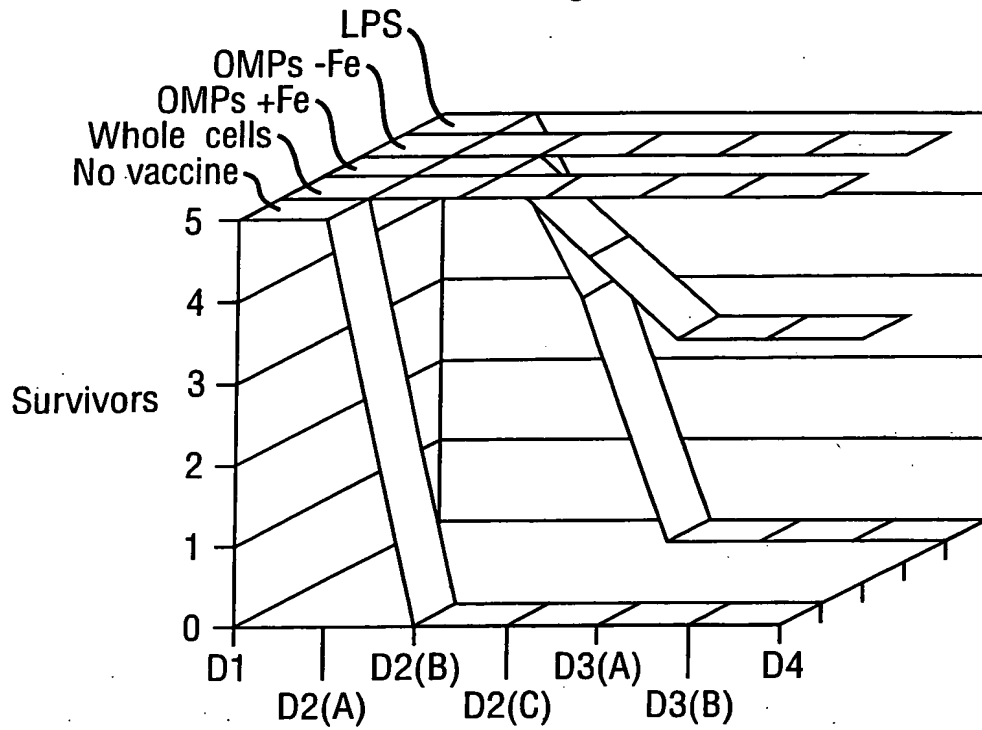
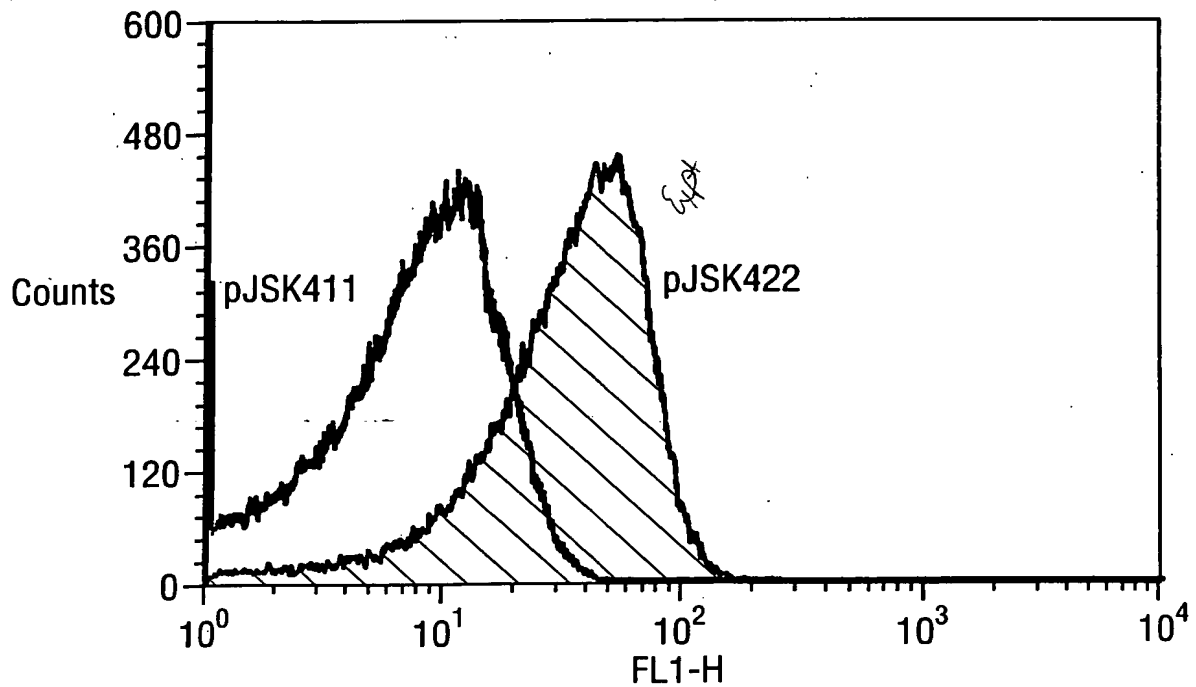


FIG. 6



Medium molecular weight fraction

Low molecular weight fraction

High molecular weight fraction

Challenge dose 2×10^7 CFU

Eluent extract

No vaccine

Survivors

D1 D2(A) D2(B) D2(C) D2(D) D2(E) D3 D4

FIG. 2A

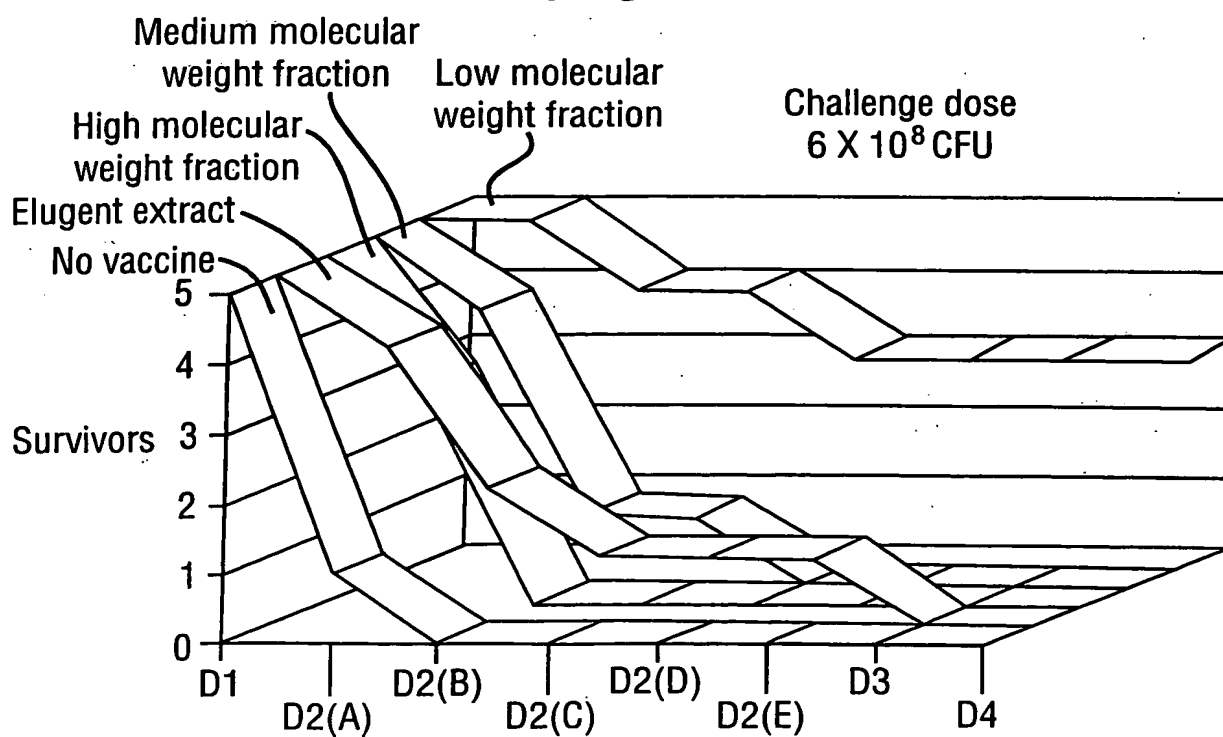


FIG. 2B

LOW MEDIUM HIGH

Molecular
weight kDa

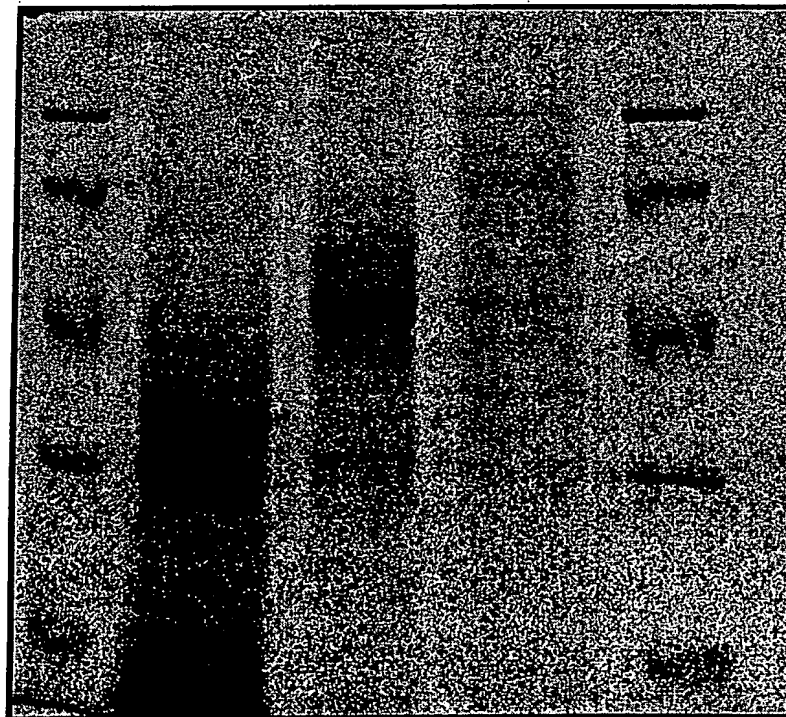


FIG. 3

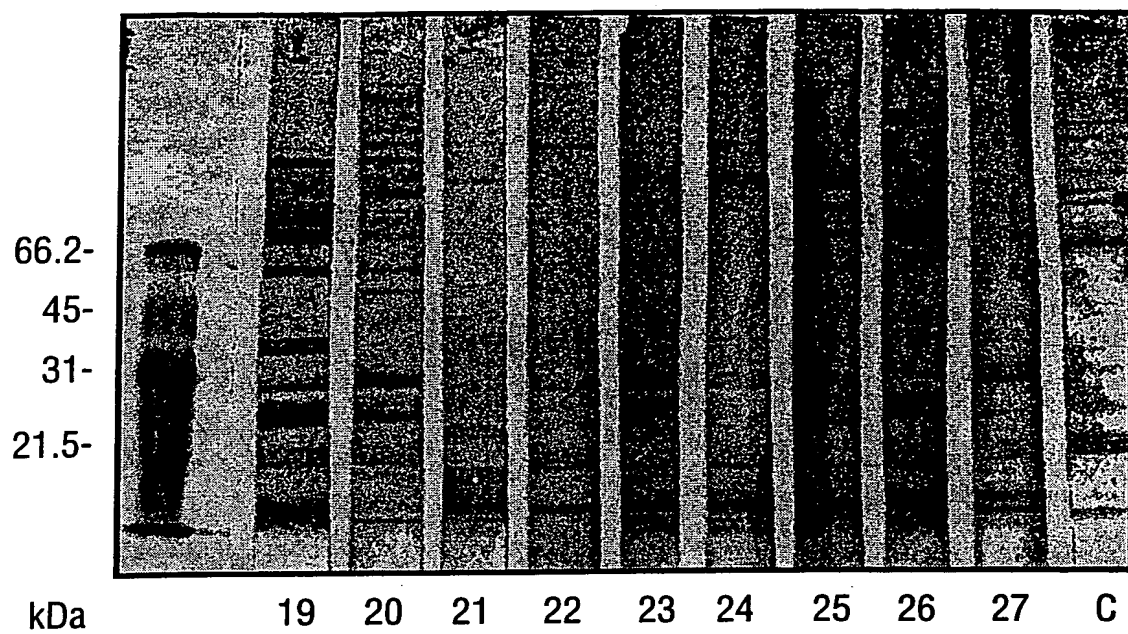
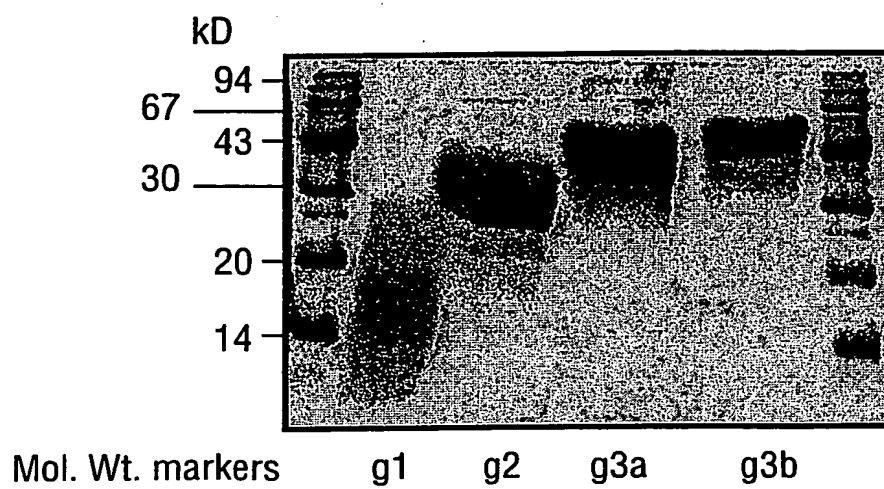


FIG. 4



TOP SECRET

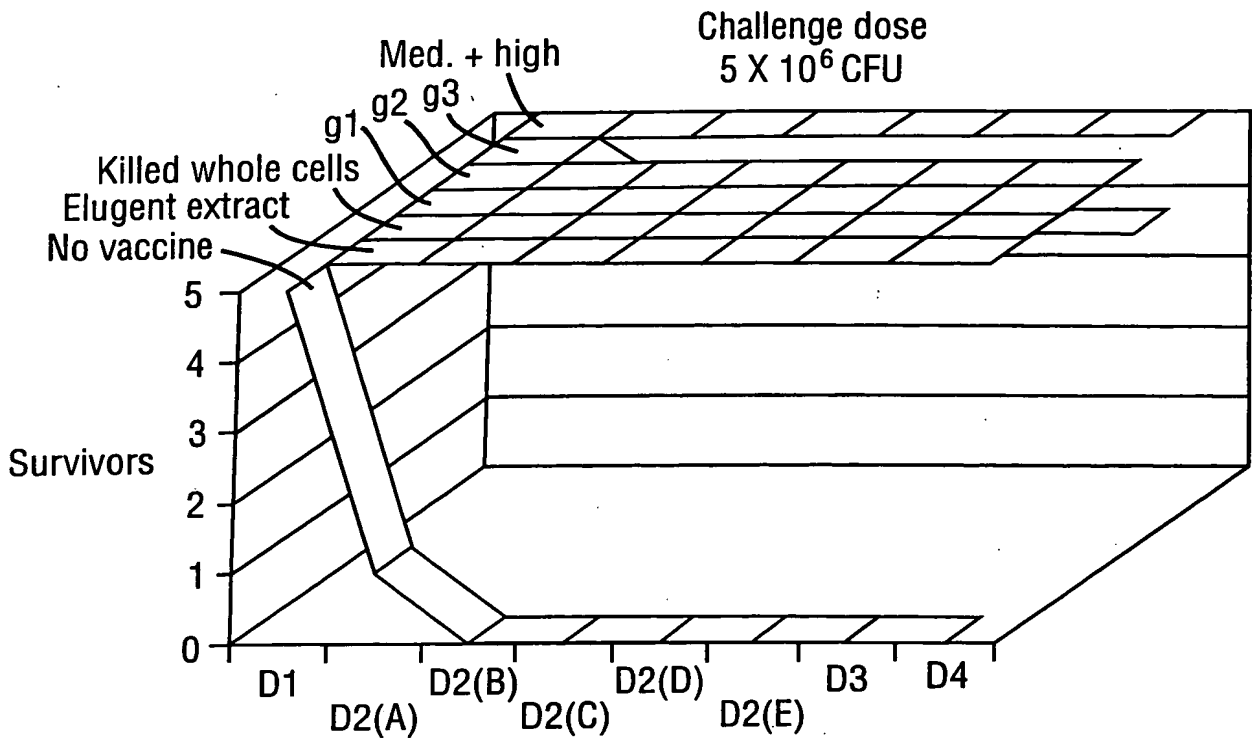
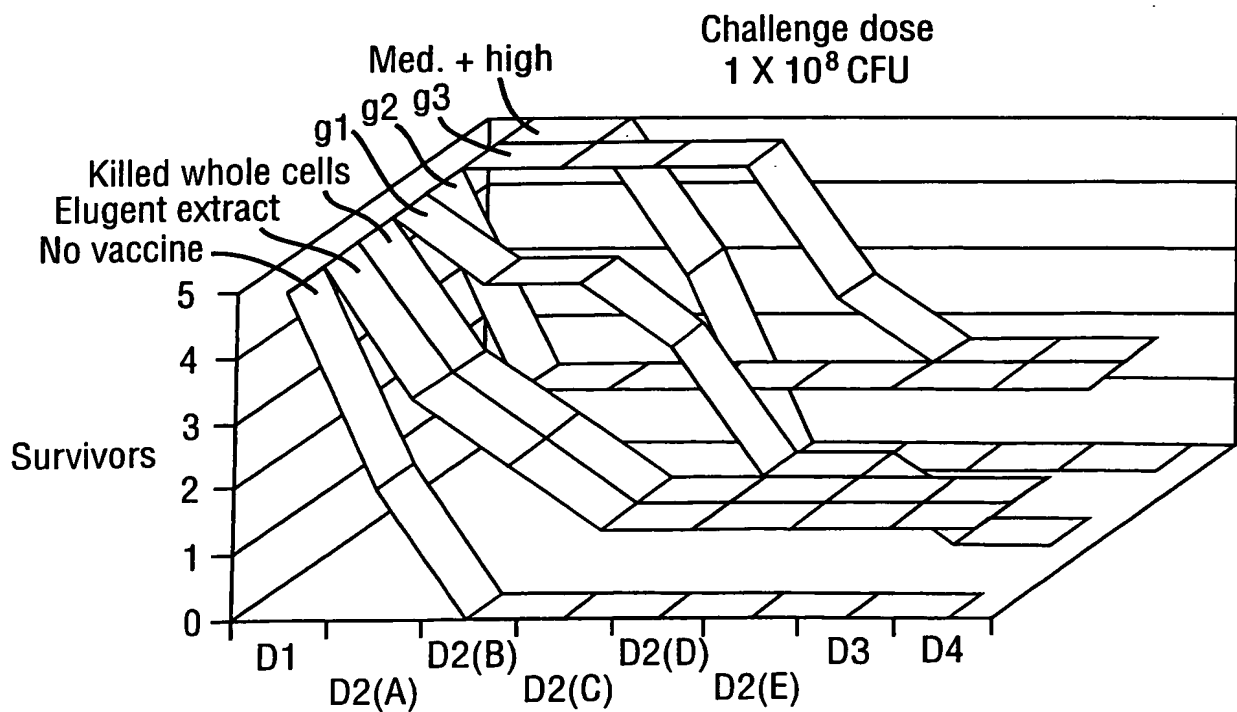


FIG. 5



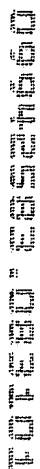
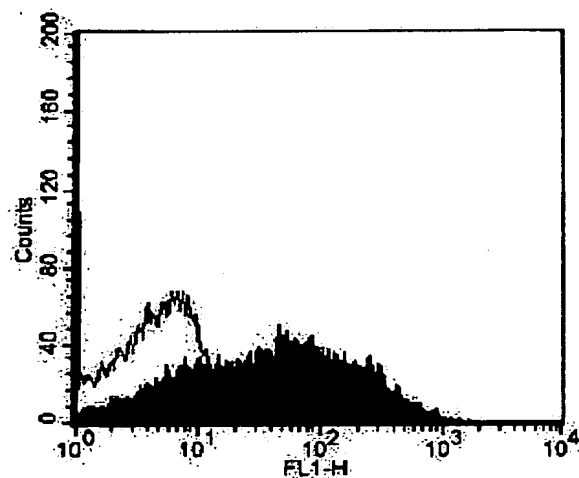
[illegible]

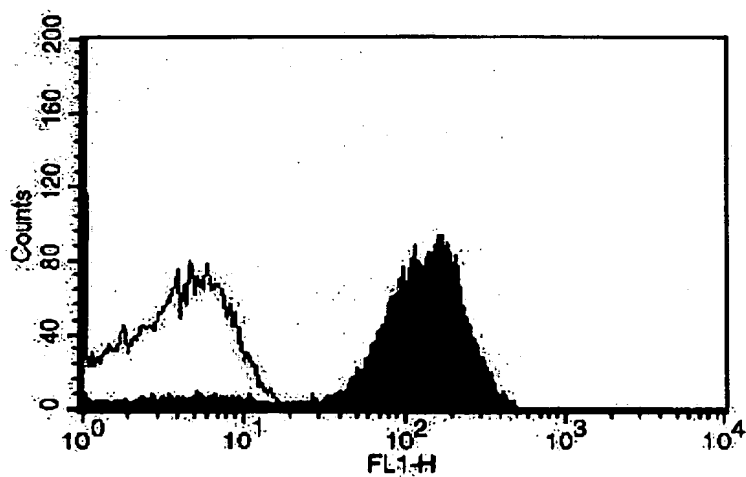
Fig. 8

(A)



Key	Name	Parameter	Gate
—	N. cinerea NRL32165 pMIDG100	FL1-H	G1
█	N. cinerea NRL32165 pMIDG101	FL1-H	G1

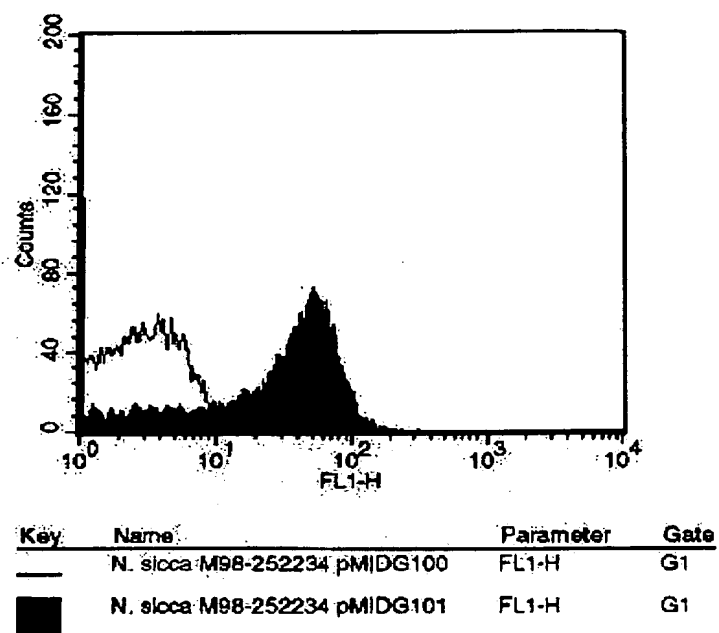
(B)



Key	Name	Parameter	Gate
—	N. flava NRL30006 pMIDG100	FL1-H	G1
█	N. flava NRL30006 pMIDG101	FL1-H	G1

Fig. 8 (continued)

(C)



(D)

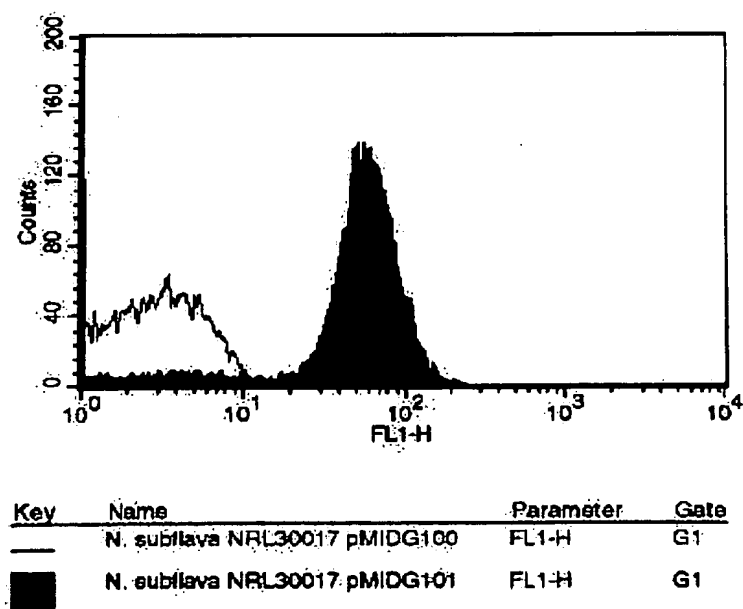
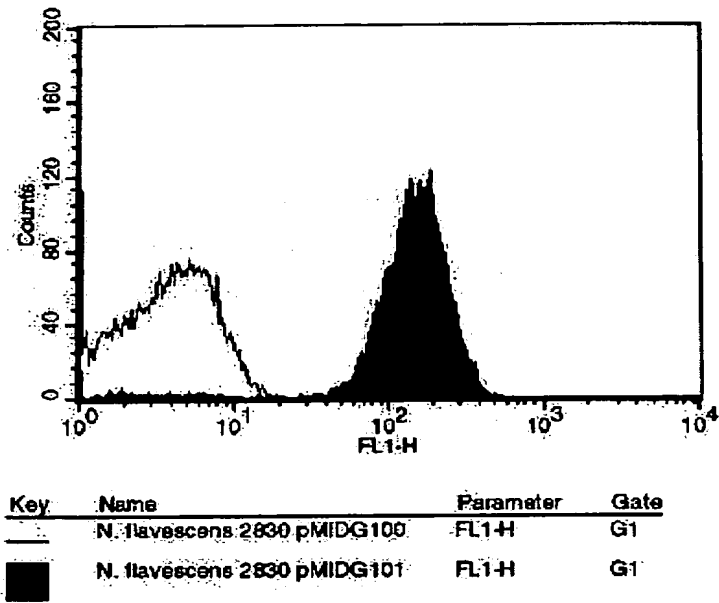


Fig. 8 (continued)

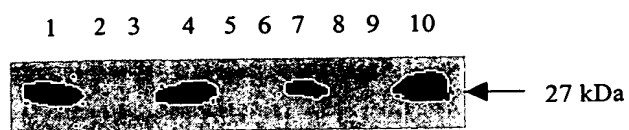
(E)



T01E20-2830h650

Fig. 9

(A)



(B)

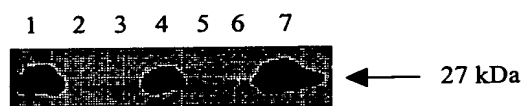
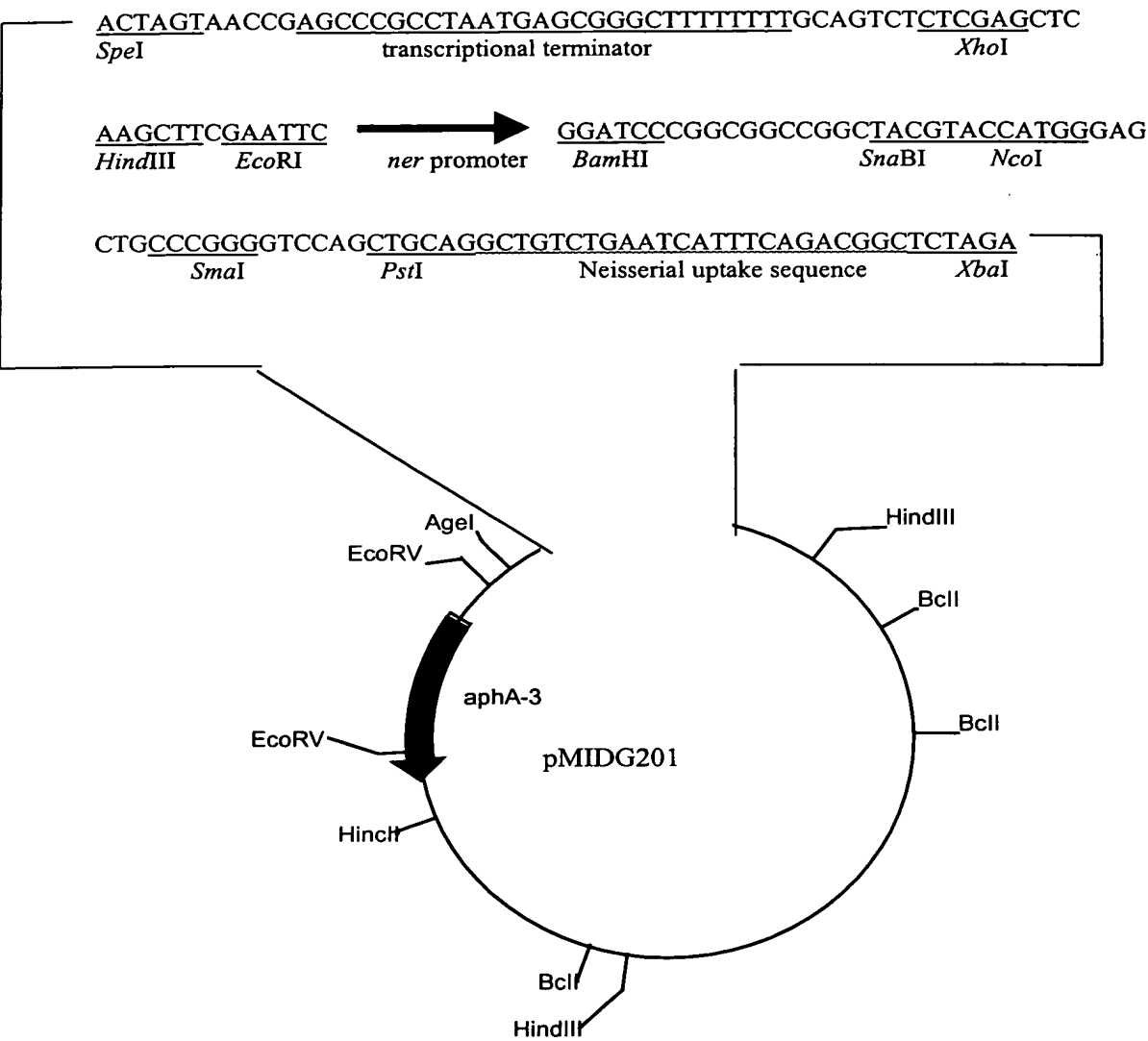


Fig. 10

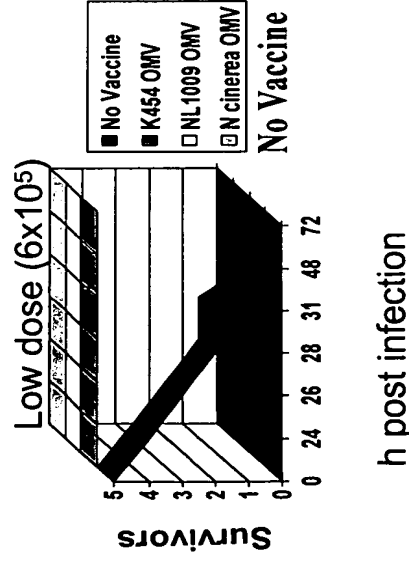


TOP SECRET

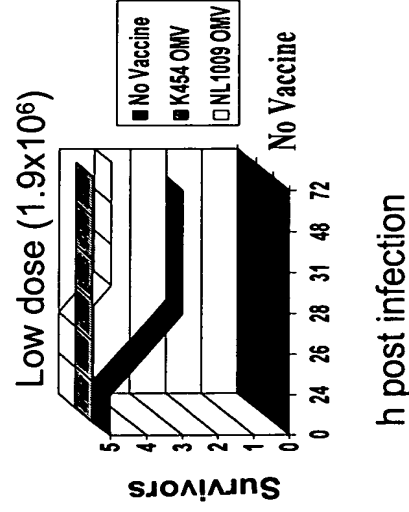
[illegible][illegible]

Fig. 12 *N. lactamica* OMVs protect mice against challenge by diverse meningococcal strains

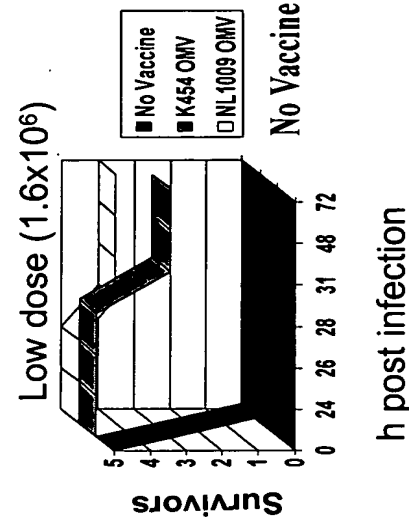
K454 B15:P1.7,16 (ET5)



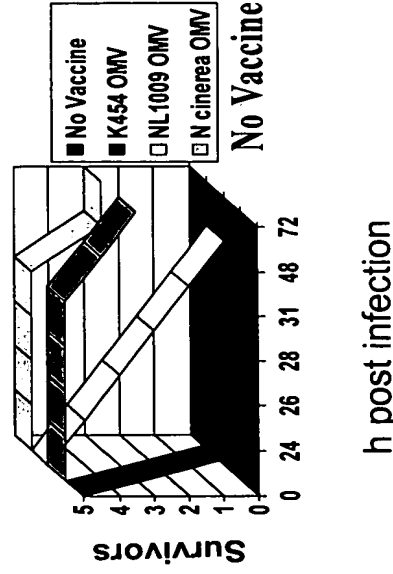
Z4673 B (Lineage 3)



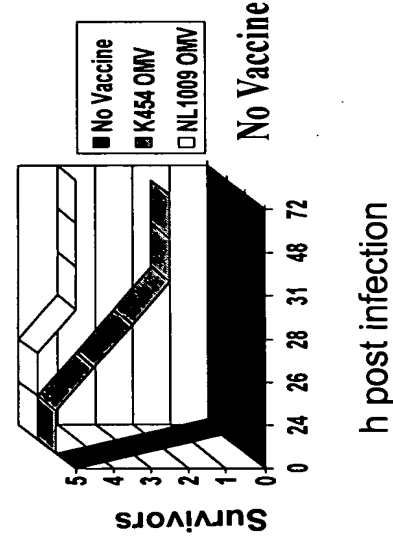
Z8948 C2a:P1.5,2 (ET37)



High dose (5.7×10^9)



High dose (2.7×10^7)



High dose (2.3×10^6)

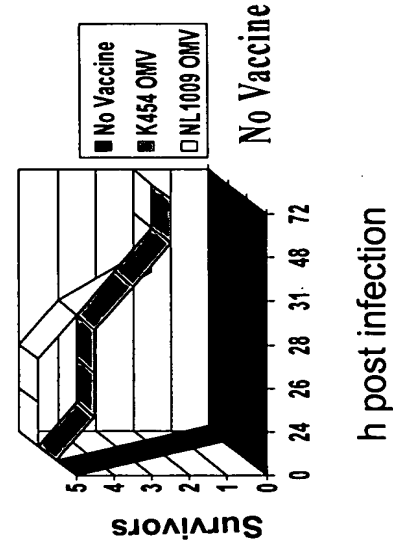


Fig 12 continued

NZ 394/98 B4:P1.6 (Lineage 3)

Z4662 B2b:P1.2 (A4)

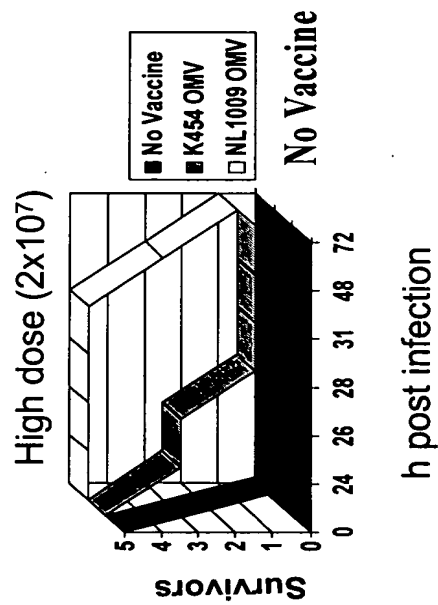
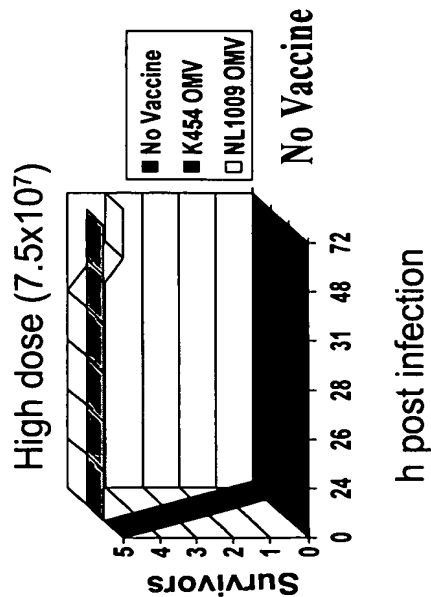
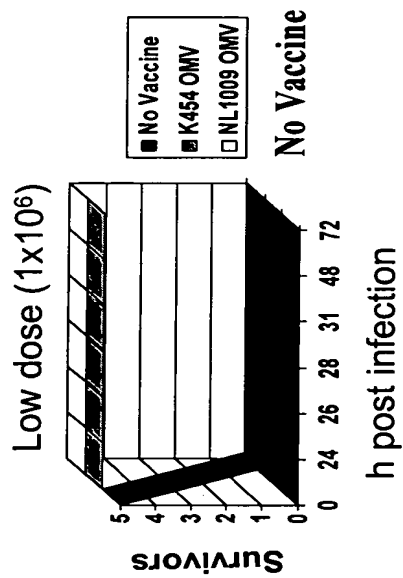
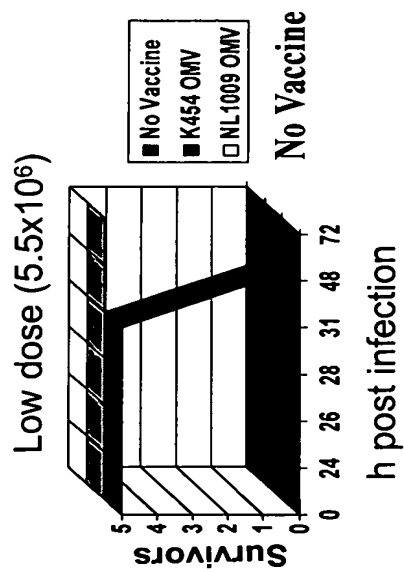


Fig. 13 *Neisseria lactamica* OMVs and low MW protein pool protect mice against meningococcal challenge

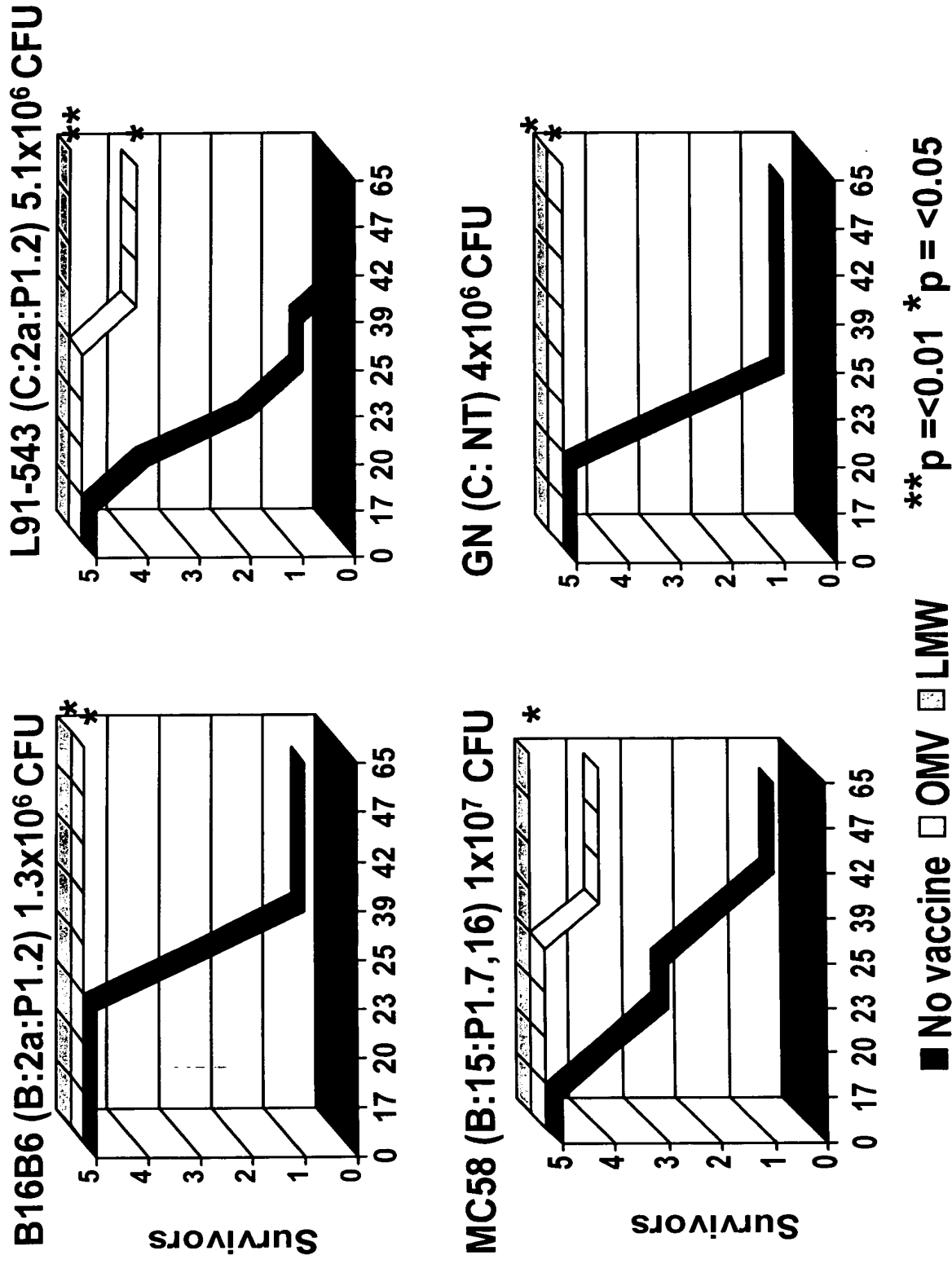
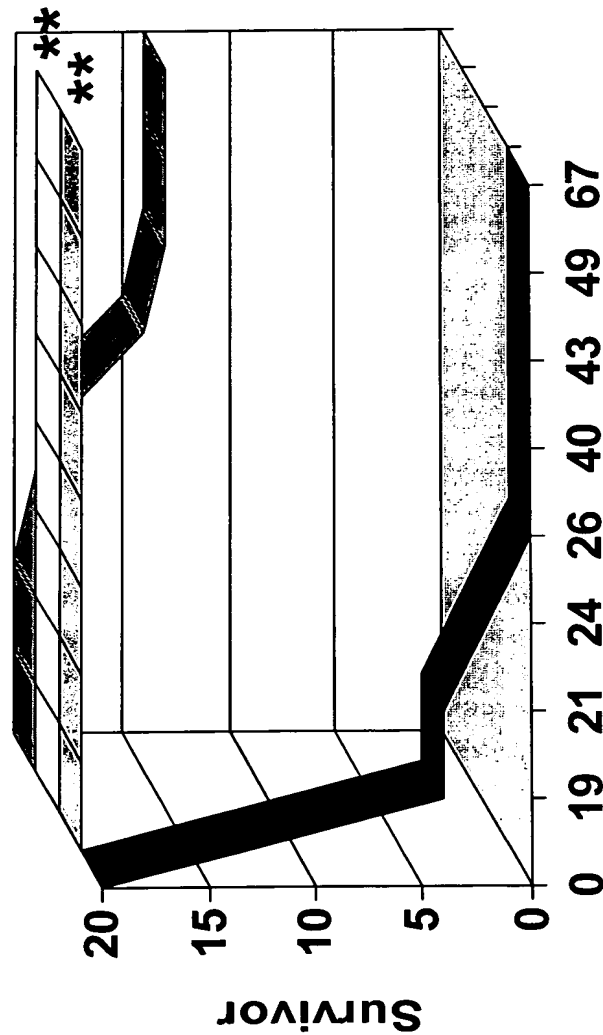


Fig. 14. *N. lactamica* OMVs with Freund's or alum adjuvant protect mice against serogroup B meningococcal challenge (isolate K454)

Challenge dose 4.35×10^6 CFU



Hours post challenge

- No vaccine
- OMV Freund's
- OMV ALOH
- LMW ALOH

**** $p < 0.001$**